

ROCKVILLE ASM5



ROCKVILLE ASM5 ACTIVE SERIES
NEAR FIELD STUDIO MONITORS

USER GUIDE

CAUTION

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK.) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Do not place this unit on an unstable cart, stand or tripod, bracket or table. The unit may fall, causing serious injury to a child or adult and serious damage to the unit. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the unit. Any mounting of the device on a wall or ceiling should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.

Do not use this unit near water; for example, near a bath tub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool.

The unit should be situated from heat sources such as radiators, heat registers, stoves or other devices (including amplifiers) that produce heat. The unit should be connected to a power supply outlet only of the voltage and frequency marked on its rear panel.

The power supply cord should be routed so that it is not likely to be walked on or pinched, especially near the plug, convenience receptacles, or where the cord exits from the unit. Unplug the unit from the wall outlet before cleaning. Never use benzine, thinner or other solvents for cleaning. Use only a soft damp cloth.

**DO NOT ATTEMPT SERVICING OF THIS UNIT YOURSELF
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL**

Upon completion of any servicing or repairs, request the service shops assurance that only Factory Authorized Replacement Parts with the same characteristics as the original parts have been used, and that the routine safety checks have been performed to guarantee that the equipment is in safe operating condition. **REPLACEMENT WITH UNAUTHORIZED PARTS MAY RESULT IN FIRE, ELECTRIC SHOCK OR OTHER HAZARDS.**

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The Rockville ASM5 Active Studio Monitor creates a new performance level in affordable studio monitors. Designed and engineered for refined vocal reproduction, our unique design eliminates high frequency diffraction while providing full range monitoring accuracy and enhanced bass response.

Our Neodymium silk soft dome tweeters are bathed in magnetic ferro-fluid keeping them cool even when your music gets hot! The recessed tweeter bezel design provides an optimal high frequency wave guide so the sound is focused out towards the listening stage. The high frequency section features an adjustable equalization circuit so that in-room listening optimization can be easily achieved.

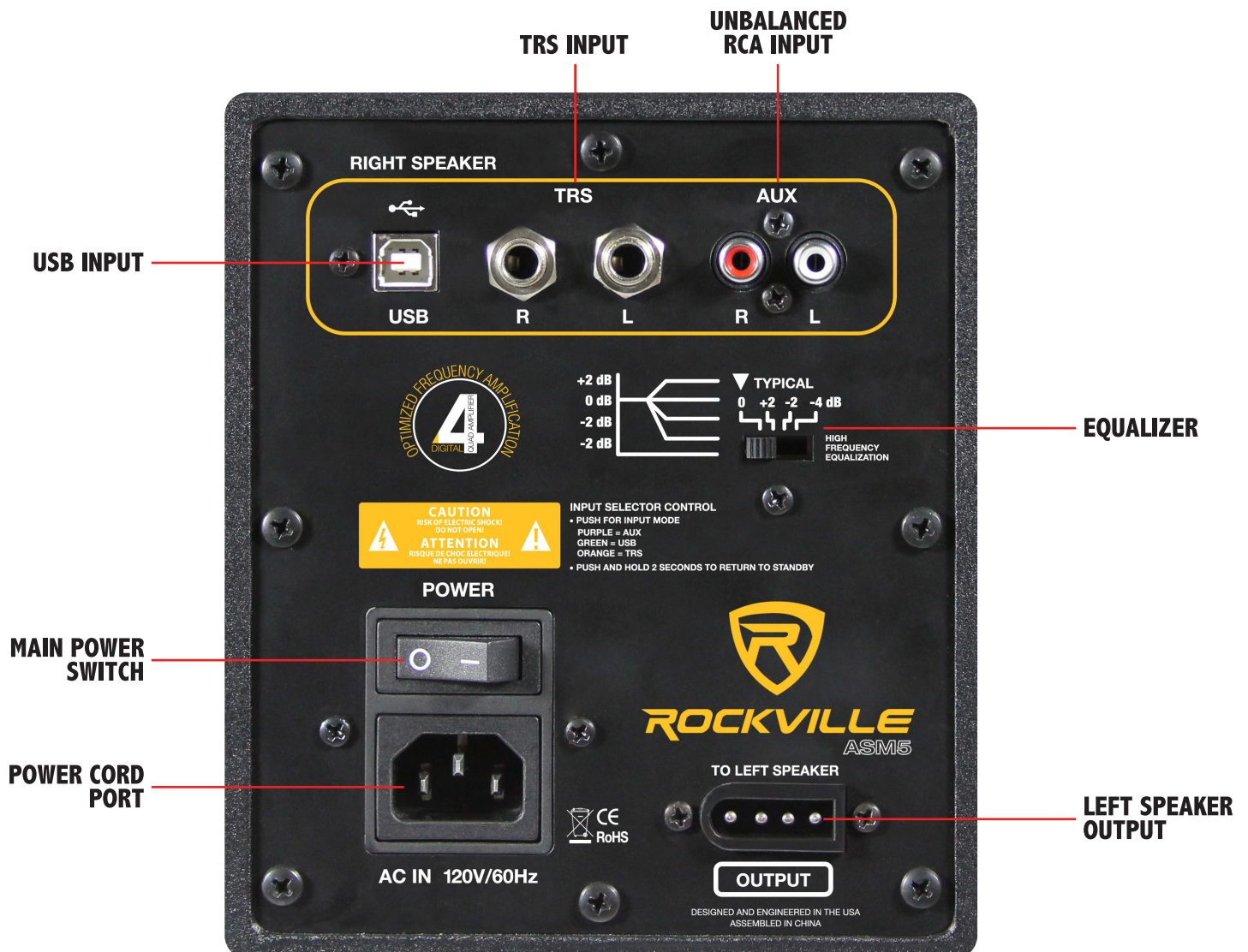
Using sophisticated computer modeling the ASM5 features rear-firing ports that provide enhanced bass coupling thereby reinforcing and amplifying low frequency response without affecting accuracy. You will hear the difference in our design and appreciate the accurate and clean bass performance with higher, cleaner sound pressure levels.

State-of-the-art amplification, Quad 4 Amplification with OFA

Unlike most studio monitors, the Rockville ASM5 studio monitors feature a Quad Amplifier design in each pair of monitors. Each woofer and tweeter features their own Frequency Optimized Amplifier, so there is no wasted energy in the amplification stage and an absolute minimum of harmonic distortion. The efficiency of our digital Class D design is in excess of 90% with zero discernible hiss or white noise.

The Input Volume Gain Control provides an adjustable gain range from -30dB to +6dB so that your ASM5 are compatible with a majority of mixing scenarios. The ASM5 feature various input connections so they hook-up to any mixing or monitoring system including unbalanced RCA, balanced 1/4" TRS and USB. In addition, front accessible headphone jacks make the ASM5 even more versatile.

- Ferro Fluid Enhanced 1" Neodymium Soft Dome Tweeter
- Talc Filled, Injection Molded Graphite Composite Cone Woofer
- Curved front bezel design eliminates standing wave distortion
- Waveguide design provides amazing detail and imaging
- Computer optimized rear-firing port provides low bass extension loading
- Specially wound voice coils produce accurate response along entire frequency spectrum
- One Complete Pair with Master / Slave Output Connection with included noise rejection cabling.
- Includes RCA to Mini Jack Cable with Adaptor, High Speed USB cable, and Power cable.



VOLUME CONTROL/INPUT SELECTOR



Turn on main power switch on rear of unit. Speaker will be in STANDBY mode (LED indicator ring will glow red). Turn volume control knob left or right to decrease/increase volume.

Push once to exit STANDBY mode and enter INPUT mode. Continue to push to cycle through INPUT modes. LED indicator ring will change colors to indicate input source. Push and hold knob for 2 seconds to return to STANDBY mode.



PURPLE = AUXILLARY



GREEN = USB



ORANGE = TRS

The close-field monitor, by definition, reduces room interaction. This can be compared to the conventional stereo configuration or the large monitor arrangement in a recording studio where sounds emanating from the monitor or reflecting off ceilings, walls, and floors, all greatly affect the sound quality.

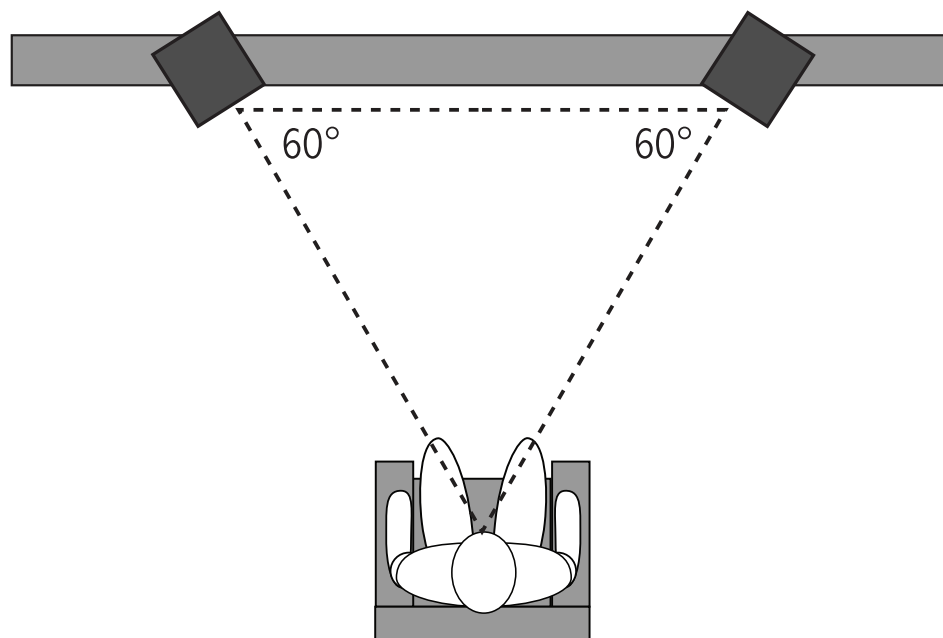
By shortening the path to the ear, the close-field monitor offers a tremendous amount of flexibility, allowing the sound to become less susceptible to differing room conditions. The ability to adjust the high frequency characteristics is equally important to help compensate for room irregularities and achieve the best performance.

Placing the monitor close to a rear wall, sidewall, or a corner will reinforce low frequencies. Generally speaking, if you move them two to three feet away from walls and corners, you'll hear less low frequency interaction.

POSITIONING

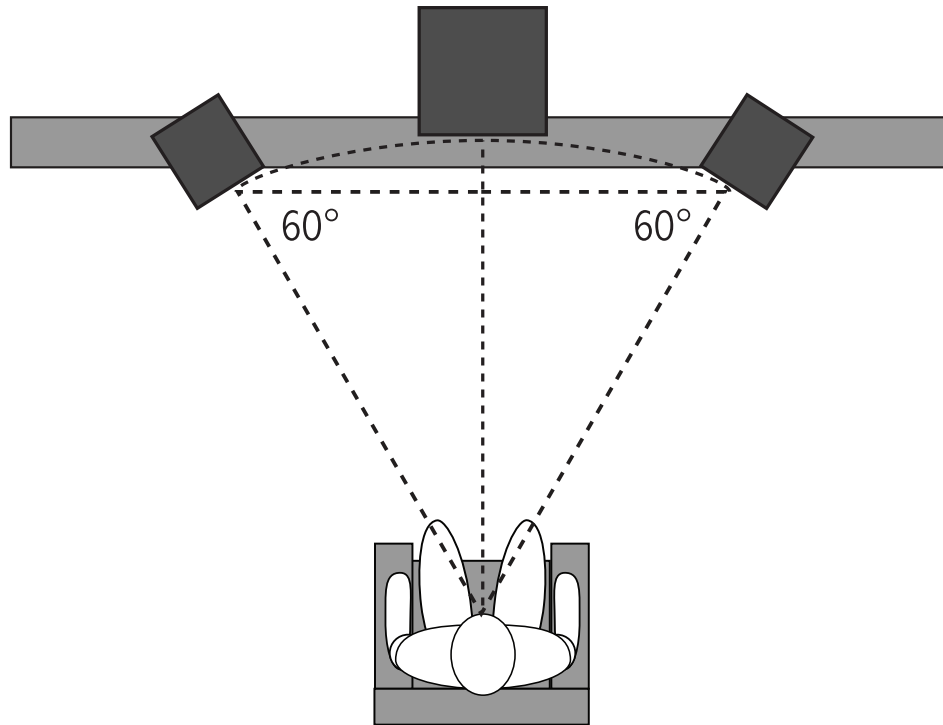
Typically, they should be placed so that the listening position is fully “covered” with all monitors resting on the same horizontal plane. For testing, we recommend acoustical music, because it represents a wide, natural spectrum of sound.

Initial placement starts by measuring out a simple equilateral triangle (all three sides equal in length) with the apex, at the center of the listening position (as shown below.) In this configuration, the Left and Right monitors are each placed at a 60° angle, equidistant from the listening position.

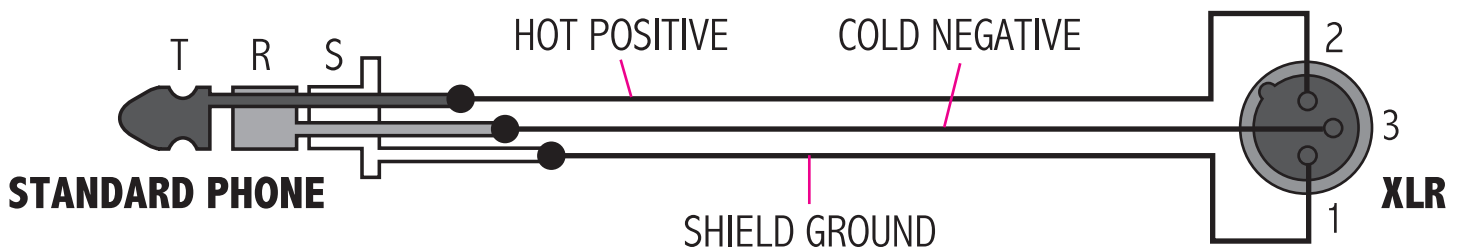


SUBWOOFER PLACEMENT (optional)

Ensure the proper phase settings(0 or 180) on subwoofer. Then further adjust the sub's low pass filter, so that it blends seemly with your ASM5 monitors. When you have finished adjusting the phase and cross-over settings, re-adjust the level of the sub to your personal preference.



1/4" BALANCED TRS to XLR



MODEL	ASM5 STUDIO MONITORS
SPEAKER TYPE	2-WAY POWERED
SYSTEM TYPE	NEAR-FIELD ACTIVE STUDIO MONITORS
LOW-FREQUENCY DRIVER	5" Talc Filled, Injection Molded Graphite Composite
HIGH-FREQUENCY DRIVER	Ferro Fluid Enhanced 1" Neodymium Soft Dome
LOW-FREQUENCY POWER	35WRMS / 70W MAX
HIGH-FREQUENCY POWER	15WRMS / 30W MAX
FREQUENCY RESPONSE	49HZ - 21,000 HZ
SPL	107DB @ 1W/1M
AMPLIFIER CLASS	EFFICIENT CLASS D CIRCUITRY
POWER OUTPUT	50W RMS / 100W MAX
INPUT IMPEDANCE	10K OHMS BALANCED
SYSTEM VOL.	(-30DB - +6DB)
AUTO MUTE	N/A
LED INDICATOR	POWER ON
HIGH FREQ. EQ ADJUSTMENT	-4dB, -2dB 0, +2dB
RCA	UNBALANCED RCA
1/4"	BALANCED 1/4" TRS
USB	HIGH-SPEED USB 2.0
AC POWER INPUT	120V/60Hz
ENCLOSURE MATERIAL	HIGH DENSITY MDF / ANTI-VIBRATION BONDED & BLOCKED
FINISH	DURABLE BLACK VINYL WRAP
DIMENSIONS (H x W x D)	12.6" (320mm) x 9.3" (235mm) x 9.8" (250mm)
WEIGHT	13.4 lbs (6.1kg) per pair

Experiencing technical difficulties? Try the following diagnostic tips...

NO POWER

- Ensure power cord is securely connected to its proper port
- AC voltage matches to that of the operating voltage requirements.
- The Rockville logo is illuminated on the front panel of the ASM5. If not, turn the power switch off and check the fuse(s).

***NEVER USE A LARGER AMPERAGE FUSE THAN IS SPECIFIED

NO SOUND

- Check to see if all other audio devices using the same AC outlet are still operating
- Ensure that the audio source cable is plugged into both the source output and the monitor input.
- The signal source (mixer, work station, CD player, etc.) is turned up to a level that can properly send a signal to the monitors
- Check each monitor for sound, independently.
- Exchange the audio input cable from the non-working monitor to the working unit. This will determine whether it's really the monitor, a faulty cable, or some other glitch in the audio system.
- If the monitor is still not responding, it should be returned to an authorized Rockville Dealer.

OUTPUT RANDOMLY DROPS

Your ASM5 monitor provides protection against power surges, amp overdrive, and overheating. Turn the monitor off then wait 30 minutes to allow the back plate to cool down.

- Carefully check the amplifier's temperature. If the monitor has been running at its highest power output for an extended period of time, it could cause the unit to overheat and the protection circuitry will shut the system down momentarily.
- If the monitor is still not responding, please contact the dealer you purchased it from.

POPS, HISSES, HUMS & OTHER UNWANTED NOISES

- Check the connections between the signal source and the monitor. The ASM5 uses TRS connectors, which are completely balanced. If you're connecting an unbalanced output to the monitor, be sure that you're using Pin 2 for signal and have Pin 1 and Pin 3 tied together at the source end.
- All audio equipment should use the same ground point. Check all other devices using the same AC output in the building such as dimmers, neon signs, TV screens, and computer monitors. These devices should not be using the same circuit.

VISIT US AT:
RockvilleAudio.com

Due to constant product improvements, these specifications are subject to change without notice
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